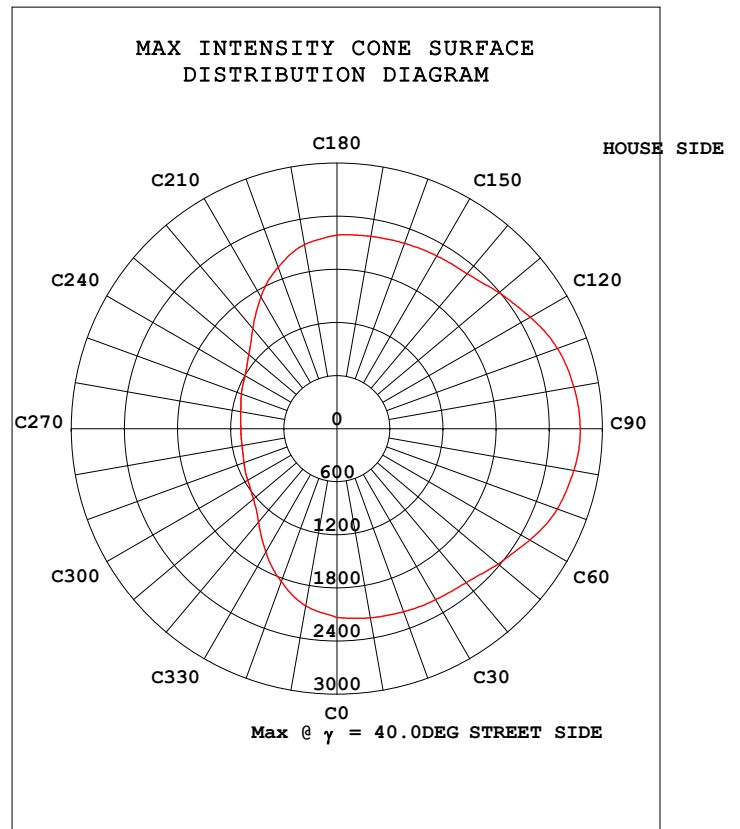
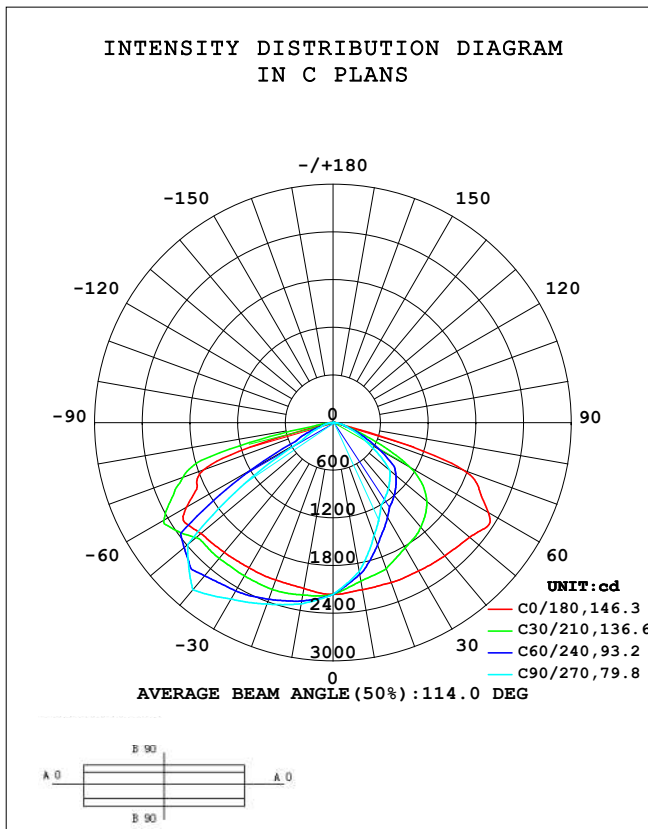


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.2353A P:50.71W PF:0.9758 Lamp Flux:7402.71x1 lm					
NAME: OPCITYIII-50W-4070-6C1T3M-0612			TYPE:LED		WEIGHT:
SPEC.:			DIM.: 0.44X0.195X0.04		SERIAL No.:1
MFR.: LUXSUN			SUR.:0.16X0.12		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.99 lm/W			
MODEL	LED	Imax (cd)	2748	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	50.7
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	7403	η house_up (%)	0.0
NOMINAL FLUX (lm)	7402.71	MAXIMUM @ (C, γ)	90, 40.0	η house_down (%)	49.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	17.375



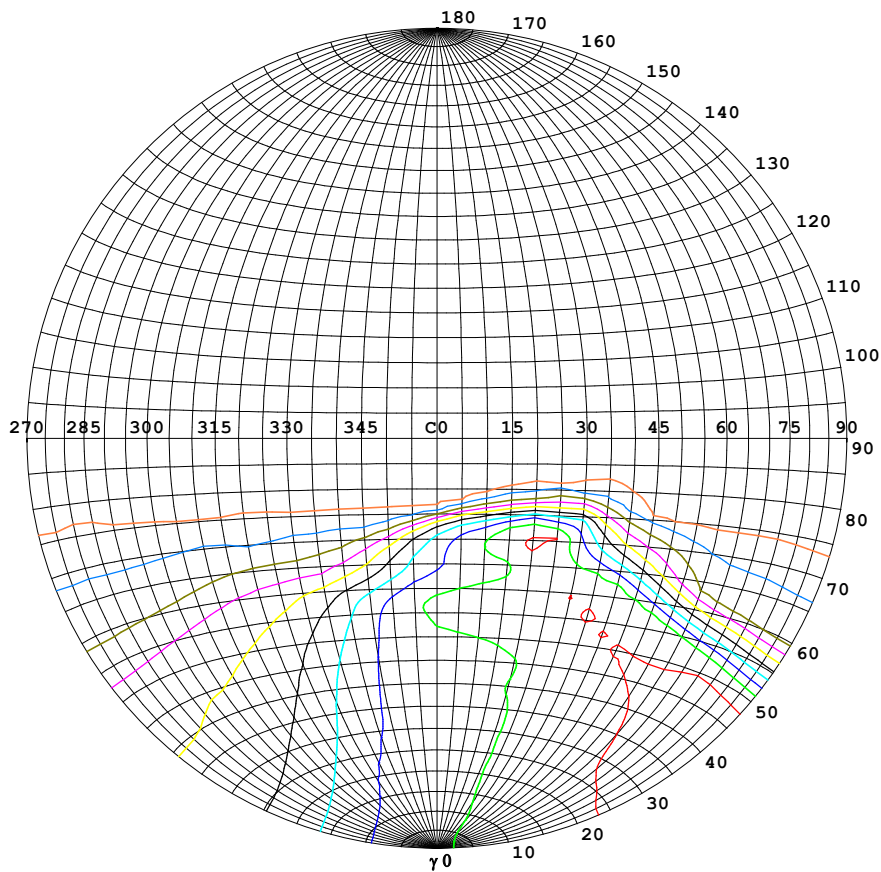
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.2353A P:50.71W PF:0.9758 Lamp Flux:7402.71x1 lm		
NAME: OPCITYIII-50W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



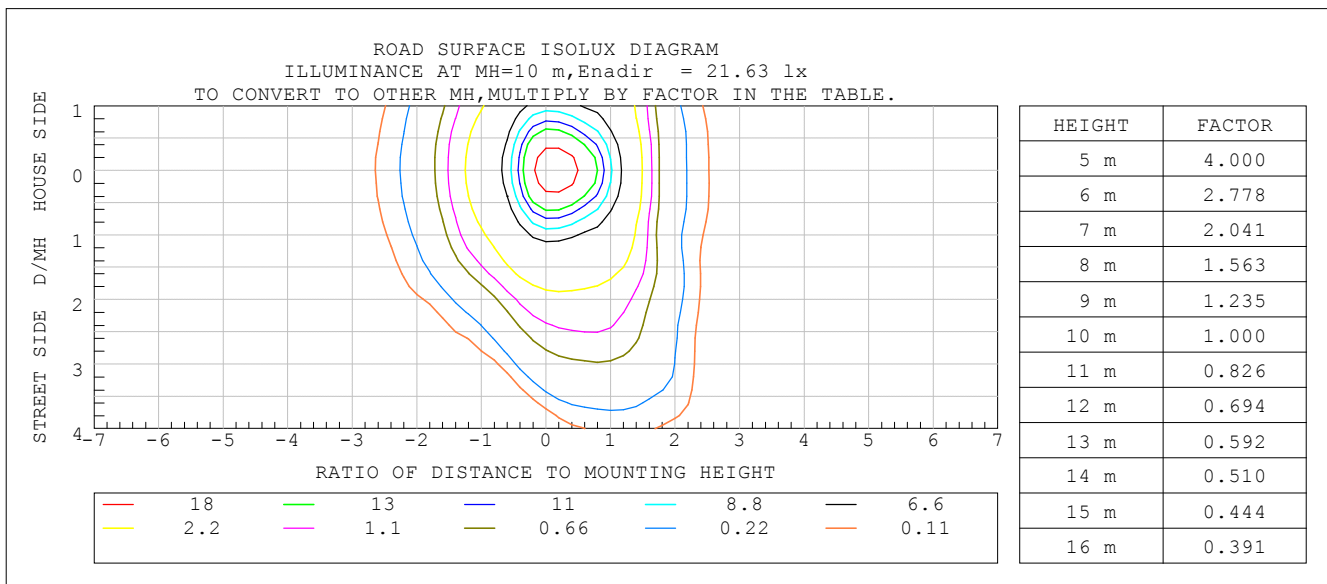
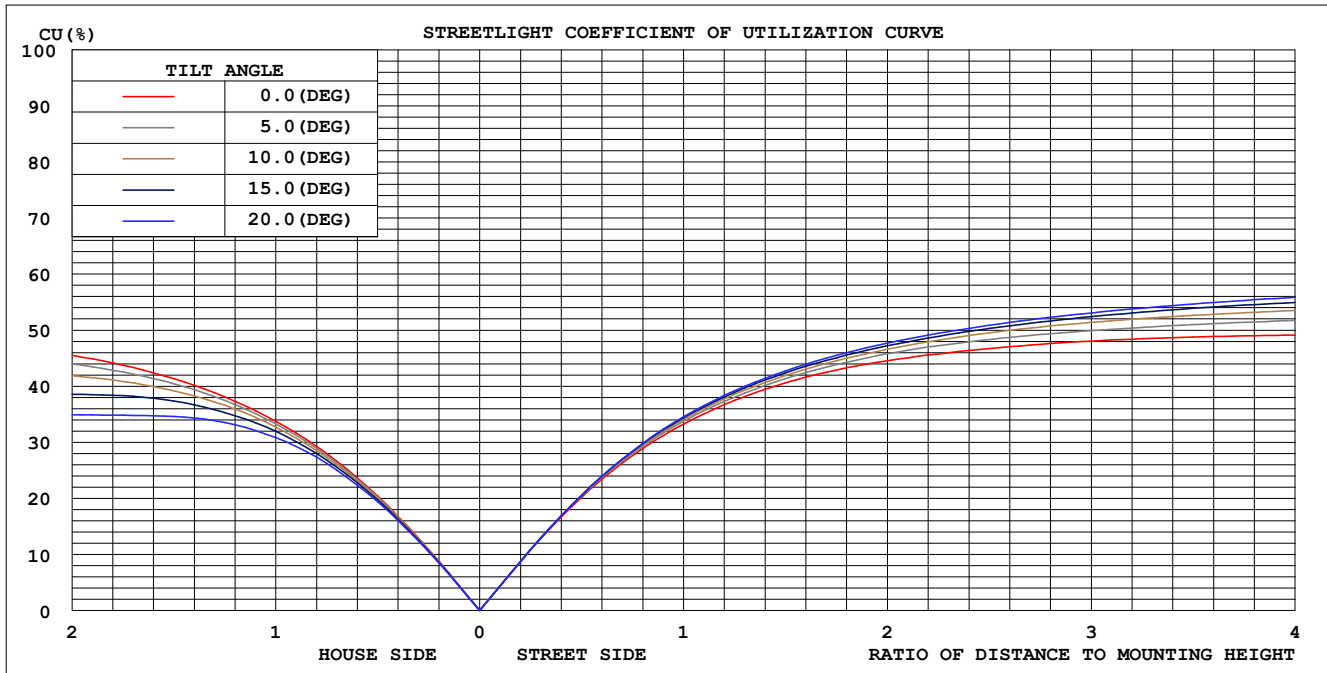
Classification:

IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:45.46cd/klm
Max.At90:3.736cd/klm
Max.80-90:45.46cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2748
90%	2473
80%	2198
70%	1923
60%	1649
50%	1374
40%	1099
30%	824
20%	550
10%	275
5%	137

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.2353A P:50.71W PF:0.9758 Lamp Flux:7402.71x1 lm		
NAME: OPCITYIII-50W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

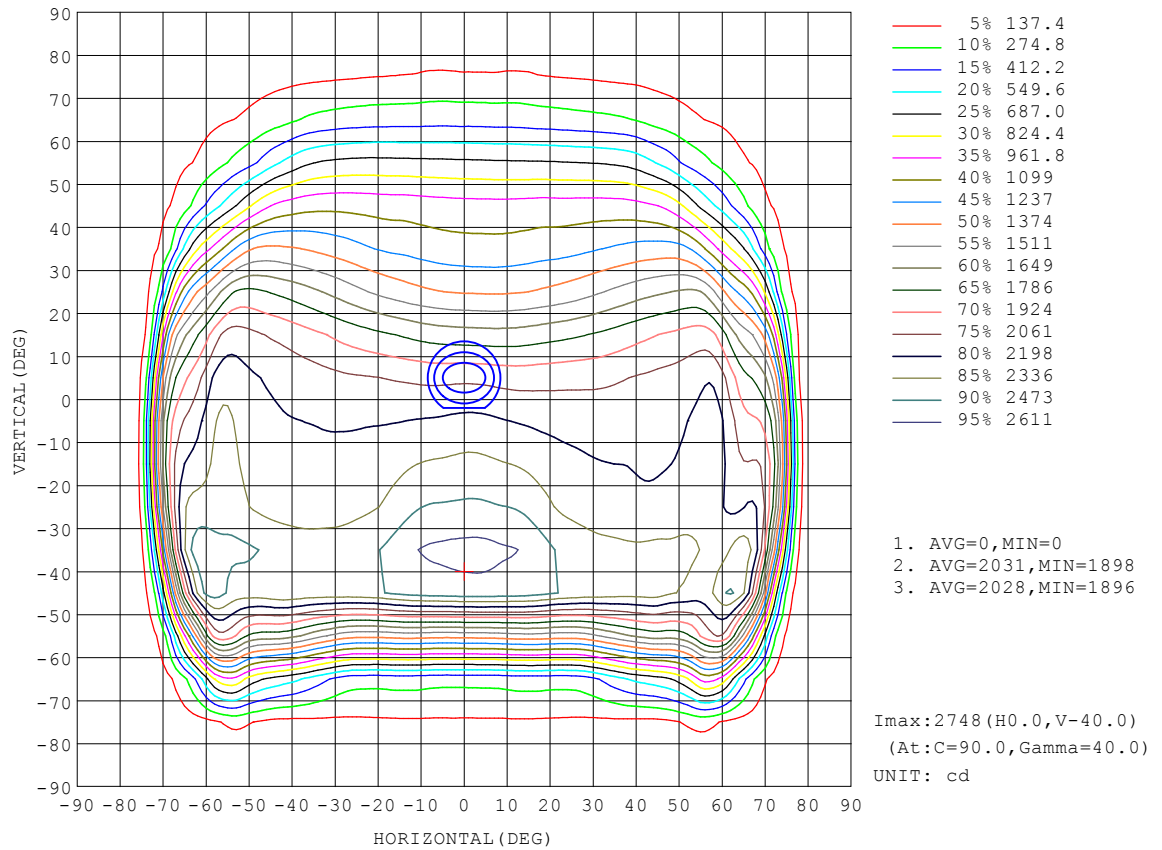
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	*lum,lamp
5	2149	2209	2239	2208	2148	2067	2032	2065	0- 5	51.36	51.36	0.69,0.69
10	2121	2243	2315	2247	2135	1979	1902	1965	5- 10	151.9	203.3	2.75,2.75
15	2108	2279	2372	2289	2134	1901	1707	1869	10- 15	248.6	451.8	6.1,6.1
20	2108	2303	2429	2314	2142	1785	1512	1737	15- 20	339.4	791.2	10.7,10.7
25	2113	2305	2497	2319	2150	1673	1361	1608	20- 25	424.1	1215	16.4,16.4
30	2111	2304	2565	2318	2157	1572	1210	1497	25- 30	503.1	1718	23.2,23.2
35	2119	2303	2657	2317	2171	1474	1149	1393	30- 35	577.5	2296	31,31
40	2133	2316	2748	2329	2188	1378	1087	1291	35- 40	650.2	2946	39.8,39.8
45	2151	2395	2569	2418	2213	1300	1011	1224	40- 45	714.7	3661	49.5,49.5
50	2173	2493	2391	2531	2246	1186	935.2	1130	45- 50	762.1	4423	59.7,59.7
55	2239	2400	1424	2423	2325	1053	712.3	1012	50- 55	776.0	5199	70.2,70.2
60	2131	2210	458.0	2212	2257	861.5	489.3	845.7	55- 60	709.0	5908	79.8,79.8
65	1884	1472	314.1	1451	2037	553.0	357.7	540.6	60- 65	575.1	6483	87.6,87.6
70	1733	819.1	170.2	802.4	1748	293.3	226.1	285.2	65- 70	460.1	6943	93.8,93.8
75	548.3	210.6	118.8	208.4	360.5	151.7	155.6	148.8	70- 75	307.3	7251	97.9,97.9
80	93.81	92.12	67.32	91.43	71.07	91.20	85.08	89.26	75- 80	113.2	7364	99.5,99.5
85	48.34	24.34	0	24.38	27.61	24.91	0	24.25	80- 85	34.02	7398	99.9,99.9
90	27.65	0	0	0	23.73	0	0	0	85- 90	4.888	7403	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

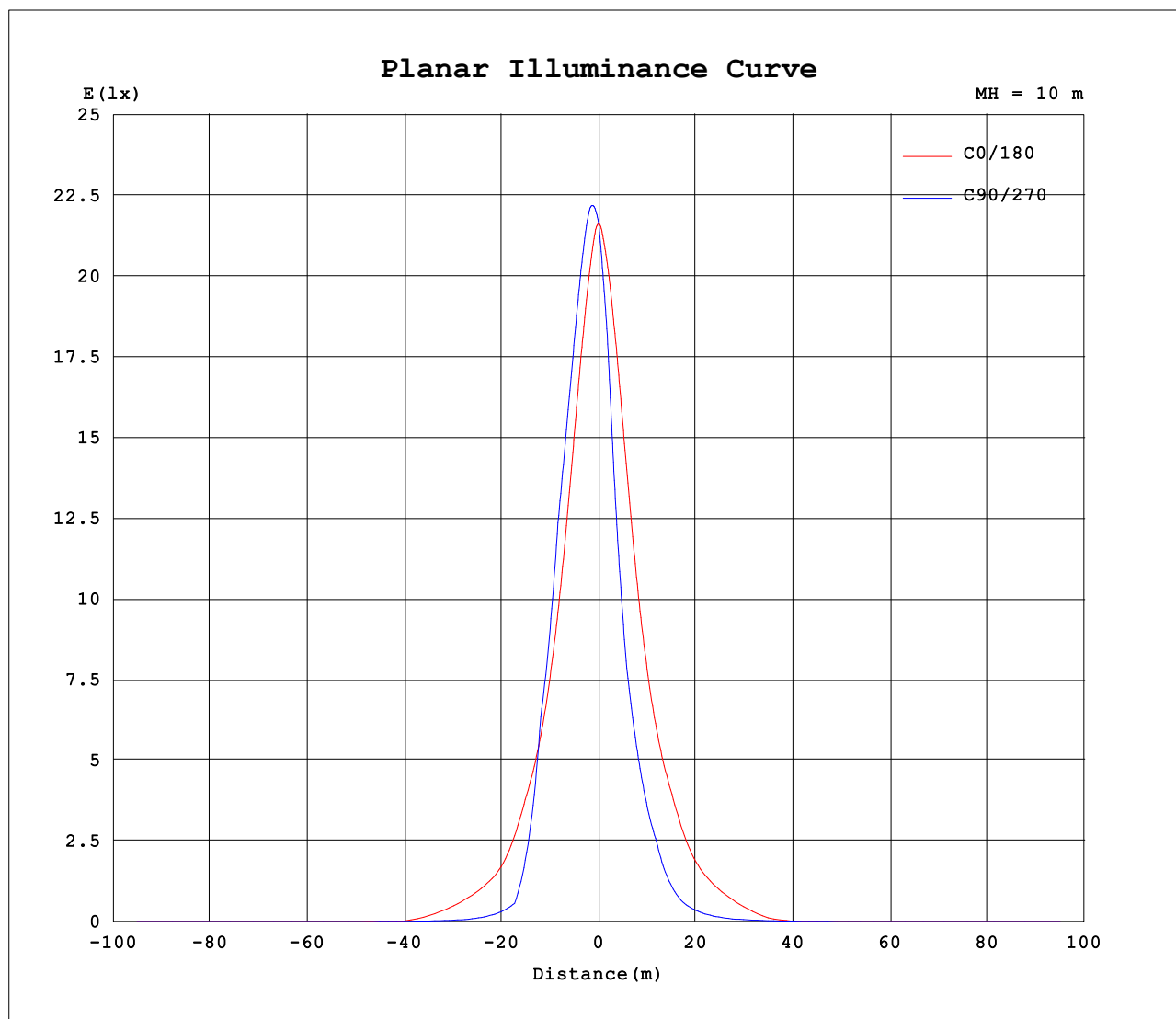
Test:U:220.9V I:0.2353A P:50.71W PF:0.9758 Lamp Flux:7402.71x1 lm		
NAME: OPCITYIII-50W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



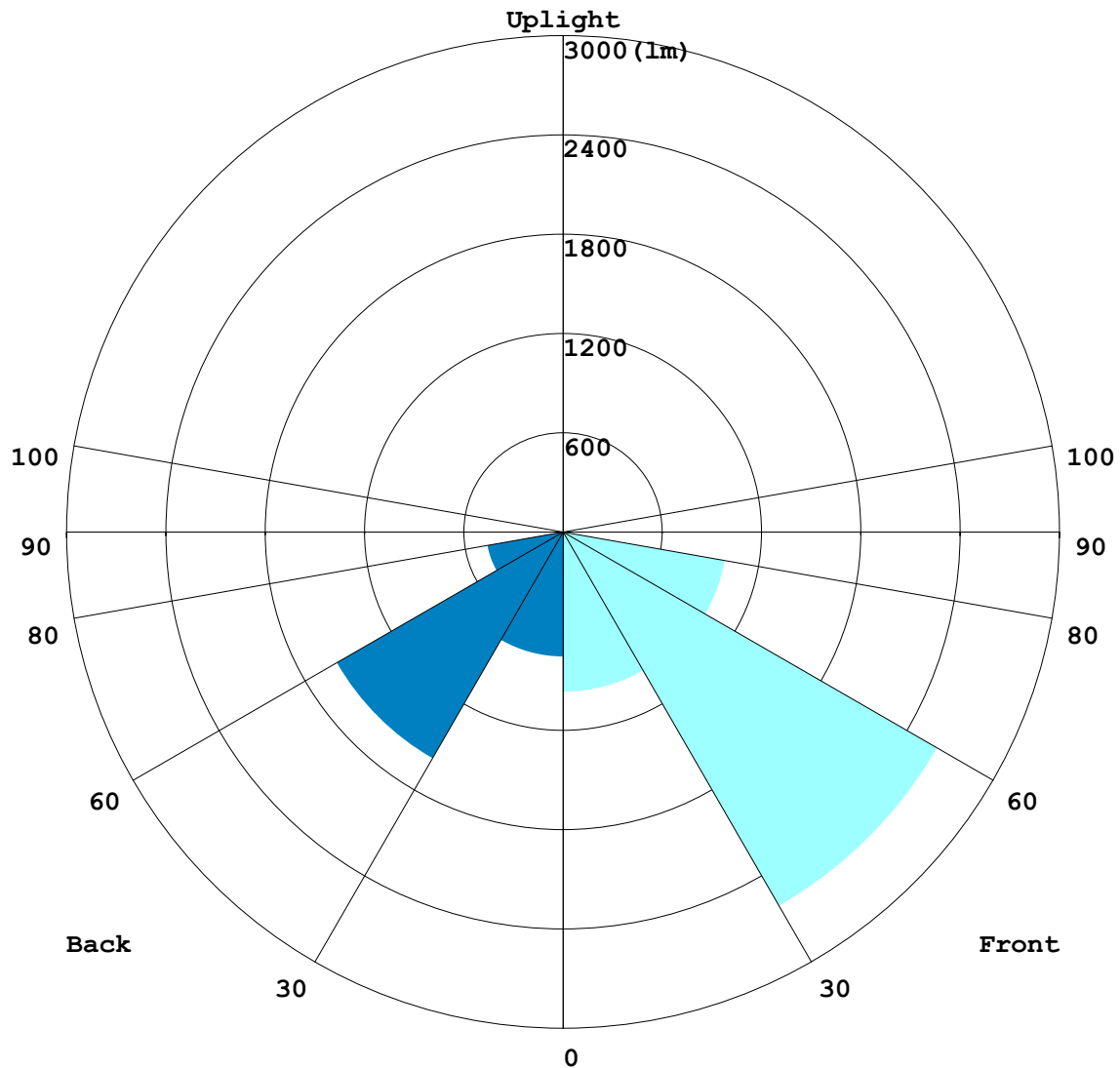
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.2353A P:50.71W PF:0.9758 Lamp Flux:7402.71x1 lm		
NAME: OPCITYIII-50W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.2353A P:50.71W PF:0.9758 Lamp Flux:7402.71x1 lm		
NAME: OPCITYIII-50W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	965.92	13.0
FM - Front-Medium(30-60)	2609.8	35.3
FH - Front-High(60-80)	992.5	13.4
FVH - Front-Very High(80-90)	21.646	0.3
Total Forward Light	4589.8	62.0

BL - Back-Low(0-30)	752.55	10.2
BM - Back-Medium(30-60)	1579.8	21.3
BH - Back-High(60-80)	463.24	6.3
BVH - Back-Very High(80-90)	17.258	0.2
Total Back Light	2812.9	38.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2812.9	0	2812.9
Street Side	4589.8	0	4589.8

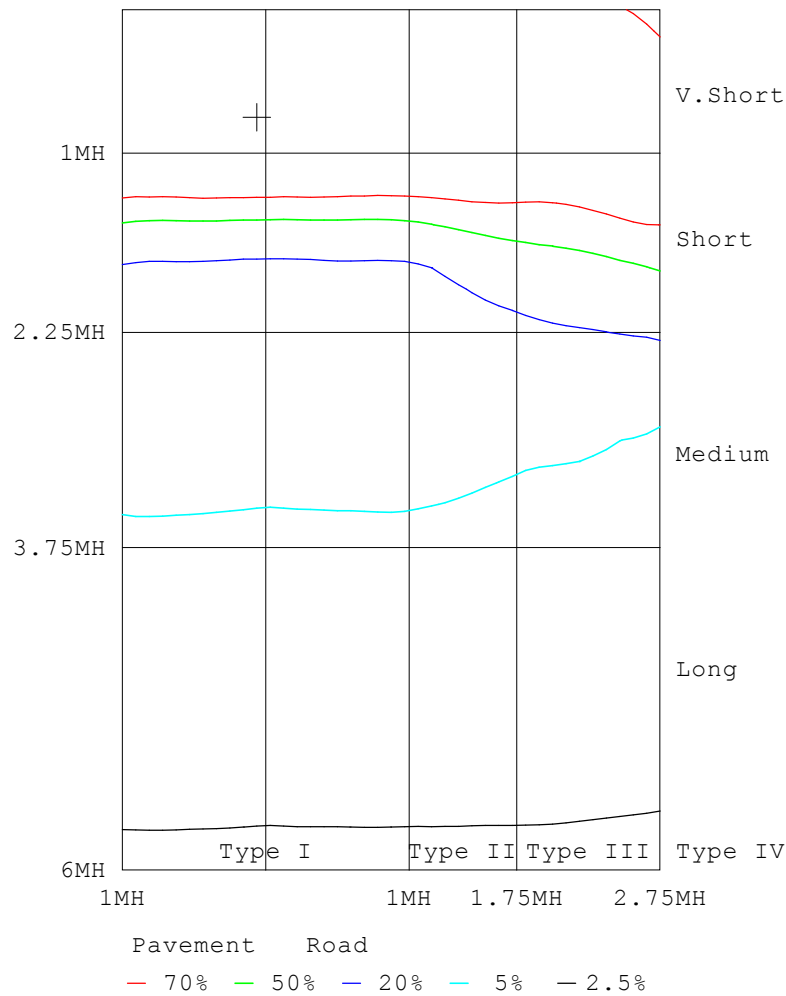
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.2353A P:50.71W PF:0.9758 Lamp Flux:7402.71x1 lm		
NAME: OPCITYIII-50W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```